Subject index

- behavioral state, preterm infants, sleep-awake rhythm, 183
- behavioural states, transitions, fetal growth retardation, 155
- birth order, twins, umbilical cord separation, 241 blood pressure, hypertension of pregnancy, offspring, 263
- blood pressure, preterm, intraventricular haemorrhage, periventricular leucomalacia, cranial ultrasound, 103
- brain, carnitine, development, skeletal muscle, liver, 21
- breast-milk composition, within-feed variation, milk ejection, 39
- carnitine, development, skeletal muscle, liver, brain, 21
- carnitine, renal excretion, developmental regulation, 29
- casein, lactoferrin, transferrin, stomach, proteolysis, 127
- cell K* and H₁O, pre-eclampsia, RNA, Zn^{2*}, muscle mass, 191
- childhood, fetal, heart rate, measurements, 147
- Chinese herbal medicine, intra-uterine growth retardation, twelve Tai Pau, 247
- computerized analysis, fetal behavioural states, fetal heart rate, fetal movements, real-time ultrasound, 137
- cranial ultrasound, preterm, blood pressure, intraventricular haemorrhage, periventricular leucomalacia, 103
- development, carnitine, skeletal muscle, liver, brain, 21
- developmental regulation, carnitine, renal excretion, 29
- early infancy, gain in weight, gain in length, 223elective delivery, pre-term, pathological factors, inverse relationship, 77
- electronic artificial larynx, vibro-acoustic stimulation, fetal heart rate, movements and behavioral states, 285
- expiratory time, fetal breathing movements, ultrasound, inspiratory time, running correlation, 47

- external granular layer, human cerebellum, neuronal differentiation, glial differentiation, 199
- fetal, heart rate, childhood, measurements, 147
 fetal behavioural states, fetal heart rate, fetal movements, computerized analysis, real-time ultrasound. 137
- fetal behavioural states, fetal motor activity, maternal emotions, maternal anxiety, 9
- fetal breathing movements, ultrasound, inspiratory time, expiratory time, running correlation, 47
- fetal development, oxytocin, vasopressin, labour, 253
- fetal growth retardation, behavioural states, transitions, 155
- fetal heart rate, fetal behavioural states, fetal movements, computerized analysis, real-time ultrasound, 137
- fetal heart rate, movements and behavioral states, vibro-acoustic stimulation, electronic artificial larynx, 285
- fetal internal carotid artery, flow velocity waveform, vibratory acoustic stimulus, 61
- fetal internal carotid artery, flow velocity waveform, fetal oxygenation, 111
- fetal motor activity, fetal behavioural states, maternal emotions, maternal anxiety, 9
- fetal movements, fetal behavioural states, fetal heart rate, computerized analysis, real-time ultrasound, 137
- fetal oxygenation, flow velocity waveform, fetal internal carotid artery, 111
- flow velocity waveform, fetal internal carotid artery, vibratory acoustic stimulus, 61
- flow velocity waveform, fetal internal carotid artery, fetal oxygenation, 111
- gain in length, gain in weight, early infancy, 223 gain in weight, gain in length, early infancy, 223
- glial differentiation, human cerebellum, external granular layer, neuronal differentiation, 199
- head circumference, intra-uterine growth retardation, ponderal index, hypoxia, neurological morbidity, 271

- head growth, intrauterine growth retardation, visual function, vernier acuity, 87
- heart rate, fetal, childhood, measurements, 147 heart rate variation, respiratory sinus arrhythmia, sudden infant death syndrome, sleep, infants, 167
- human cerebellum, external granular layer, neuronal differentiation, glial differentiation,
- hypertension of pregnancy, blood pressure, offspring, 263
- hypoxia, intra-uterine growth retardation, ponderal index, head circumference, neurological morbidity, 271
- Infants, respiratory sinus arrhythmia, heart rate variation, sudden infant death syndrome, sleep, 167
- inspiratory time, fetal breathing movements, ultrasound, expiratory time, running correlation, 47
- intra-uterine growth retardation, ponderal index, head circumference, hypoxia, neurological morbidity, 271
- intra-uterine growth retardation, twelve Tai Pau, Chinese herbal medicine, 247
- intrauterine growth retardation, head growth, visual function, vernier acuity, 87
- intraventricular haemorrhage, preterm, blood pressure, periventricular leucomalacia, cranial ultrasound, 103
- inverse relationship, pre-term, elective delivery, pathological factors, 77
- labour, oxytocin, vasopressin, fetal development, 253
- lactoferrin, transferrin, casein, stomach, proteolysis, 127
- laterality, newborn, upper limbs movements, 3 liver, carnitine, development, skeletal muscle, brain, 21
- maternal anxiety, fetal behavioural states, fetal motor activity, maternal emotions, 9
- maternal emotions, fetal behavioural states, fetal motor activity, maternal anxiety, 9
- measurements, fetal, heart rate, childhood, 147
 milk ejection, breast-milk composition, withinfeed variation. 39
- muscle mass, pre-eclampsia, cell K* and H₂O, RNA, Zn^{2*}, 191
- neurological morbidity, intra-uterine growth retardation, ponderal index, head circumference, hypoxia, 271

- neuronal differentiation, human cerebellum, external granular layer, glial differentiation, 199
- newborn, upper limbs movements, laterality, 3
- offspring, hypertension of pregnancy, blood pressure, 263
- oxytocin, vasopressin, fetal development, labour, 253
- pathological factors, pre-term, elective delivery, inverse relationship, 77
- periventricular leucomalacia, preterm, blood pressure, intraventricular haemorrhage, cranial ultrasound, 103
- ponderal index, intra-uterine growth retardation, head circumference, hypoxia, neurological morbidity, 271
- pre-echampsia, cell K* and H₂O, RNA, Zn²⁺, muscle mass, 191
- pre-term, elective delivery, pathological factors, inverse relationship, 77
- preterm, blood pressure, intraventricular haemorrhage, periventricular leucomalacia, cranial ultrasound, 103
- preterm infants, behavioral state, sleep-awake rhythm, 183
- preterm infants, visual evoked potentials, 117proteolysis, lactoferrin, transferrin, casein, stomach, 127
- real-time ultrasound, fetal behavioural states, fetal heart rate, fetal movements, computerized analysis, 137
- renal excretion, carnitine, developmental regulation, 29
- respiratory sinus arrhythmia, heart rate variation, sudden infant death syndrome, sleep, infants, 167
- RNA, pre-eclampsia, cell K° and H₂O, Zn²⁺, muscle mass, 191
- running correlation, fetal breathing movements, ultrasound, inspiratory time, expiratory time, 47
- skeletal muscle, carnitine, development, liver, brain, 21
- sleep, respiratory sinus arrhythmia, heart rate variation, sudden infant death syndrome, infants, 167
- sleep-awake rhythm, preterm infants, behavioral state, 183
- stomach, lactoferrin, transferrin, casein, proteolysis, 127

- sudden infant death syndrome, respiratory sinus arrhythmia, heart rate variation, sleep, infants, 167
- transferrin, lactoferrin, casein, stomach, proteolysis, 127
- transitions, behavioural states, fetal growth retardation, 155
- cfbtwelve Tai Pau, intra-uterine growth retardation, Chinese herbal medicine, 247
- twins, umbilical cord separation, birth order, 241
- ultrasound, fetal breathing movements, inspiratory time, expiratory time, running correlation, 47
- umbilical cord separation, twins, birth order, 241 upper limbs movements, newborn, laterality, 3

- vasopressin, oxytocin, fetal development, labour, 253
- vernier aculty, intrauterine growth retardation, head growth, visual function, 87
- vibratory acoustic stimulus, flow velocity waveform, fetal internal carotid artery, 61
- vibro-acoustic stimulation, electronic artificial larynx, fetal heart rate, fetal movements, fetal behavioural states, 285
- visual evoked potentials, preterm infants, 117
- visual function, intrauterine growth retardation, head growth, vernier acuity, \$7
- within-feed variation, breast-milk composition, milk ejection, 39
- Za^{3*}, pre-eclampsia, cell K* and H₂O, RNA, muscle mass, 191



Author index

Allemand, F., 3	Inukai, K., 183	Rees, B., 39
Arduini, D., 155		Rizzo, G., 155
Arts, N.F.Th., 137	Jensen, J., 117	Rogers, R.R., 223
	, . ,	Romanini, C., 155
Batcup, G., 199	Kito, H., 183	Rothschild, E., 263
Bekedam, D.J., 9	Kluge, K.A., 167	, , , , , , , , , , , , , , , , , , , ,
Bell, J.E., 199	Koldovský, O., 127	Sandison, A., 199
Berg, A.T., 271	,, ,, ,,	Schechtman, V.L., 167
Boccolini, M.R., 155	Lee, F.T., 247	Scott, A., 77
Boddy, J., 199	Leung, C.S., 247	Seri, S., 3
Boon, J.A., 39	2001, 0.5., 247	Shiroiwa, Y., 183
Britton, J.R., 127	MacCilliana I 147	Simonazzi, E., 111
, ,	MacGillivray, I., 147	Southall, D.P., 167
Caforio, L., 155	Mancuso, S., 155	Spinetoli, B., 3
Calvert, R., 199	Mantel, R., 137 Moar, V.A., 77	Stanley, O.H., 87
Carlsen, J., 117	Morgan, M.H., 87	Swaab, D.F., 253
Caron, F.J.M., 137	Mulder, E.J.H., 9	Swartjes, J.M., 137
Cheek, D.B., 191	Mulder, E.J.H., 285	
Cheung, K., 61	Mulder, H.H., 285	Takashima, S., 21
Cooke, R.W.I., 103	141111111111111111111111111111111111111	Takeshita, K., 21
	Nakana C 21	Thomas, P.W., 147
	Nakano, C., 21	Trojaborg, W., 117
Dalton, M., 191	Nelson, S.E., 223	
de Groot, C., 241	Ness, D., 191	van den Bergh, B.R.H.,
		van Eyck, J., 111
Fleming, P.J., 87	Ogawa, J., 183	van Geijn, H.P., 137
Fomon, S.J., 223	Olson, A.L., 29	van Woerden, E.E., 137
Franks, A.J., 199	Oosterbaan, H.P., 253	Visser, G.H.A., 9
	Ottaviano, S., 3	Visser, G.H.A., 285
Gennser, G.M., 47	Oudesluys-Murphy, A.M.,	
Gillespie, A., 191	241	Watkins, A.M.C., 103
Golding, M.J., 147	Ounsted, M., 77	West, C.R., 103
Gordon, A., 199		Wilson, A.J., 167
Green, R.C., 191	Palti, H., 263	Wit, H.P., 285
Guidetti, V., 3	Petrucco, O.M., 191	Wladimiroff, J.W., 61
	Poelmann-Weesjes, G., 9	Wladimiroff, J.W., 111
Harper, R.M., 167	Prechtl, H.F.R., 285	Woodward, D., 39
Haslum, M.N., 147	Prechtl, H.R.F., 9	V C V A48
Hathorn, M.K.S., 47	Pryds, O., 117	Yeung, C.Y., 247
Hoffman, H.J., 167		Yokochi, K., 183
Hop, W., 241	Rebouche, C.J., 29	Timber E.E. 222
		Ziegler, E.E., 223



